

FIGURE 1

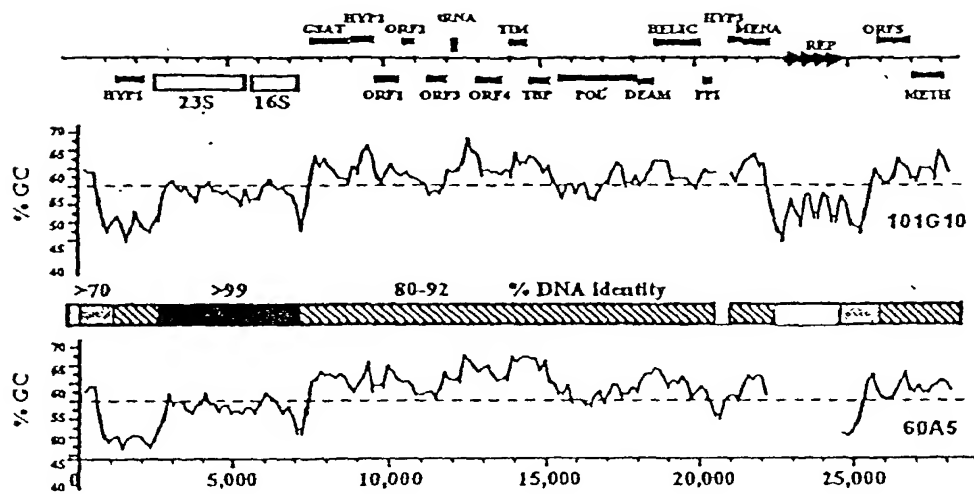


Figure 2

89 90	Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)
81	Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG GCGGCGCATG	-----	25
82		B	AAGCTAAACT TTTAAT TGGG ATCCGGCGAG CCGGCGCGTG	-----	
83	Hypoth 02	A	GGAAACTTTG ATTATA CGGG CGTGCTGCCG CCGGGCCCAT	G-----	26
84		B	GGAAACTTTG ATTATA CGGG CGTACATTCC CCGGGCCCAT	G-----	
85	ORF 02	A	AAGGCAAGGT AATAAT AGCC TGCCGTCTGT AACGGCCGTA	TG-----	27
86		B	ACGGCAAGGT AATAAT AGCC TGCCGTCCGT ACCTGCCGTA	TG-----	
87	ORF 03	A	CATGGAAC TA GATATT AACC GGTTCGCGG ATCCCATGCA	TG-----	27
88		B	CATGGAAC TA GATAAT AACC GGTCCCGCG GTACAATGCA	TG-----	
89	PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCGCGCGC	ATG-----	28
90		B	AGCAGGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC	ATG-----	
91	GSAT	A	ATCCGCCCTG ATTAAA TTAT GGGGGGAGCG GCCTGTGCC	GTG-----	28
92		B	ATCCGCCCTC ATTAAA TTAC GGGGGGTACA ACCTGTGCC	GTG-----	
93	ORF 05	A	CCTTCATACA CATAAA TCCC GCTTGATGT GCGGCTGCGC	ATG-----	28
94		B	ACTTCATACA CATAAA TCCC GCCTGAACGG TCGTCCGCGC	ATG-----	
95	deaminase	A	GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC	GTTG-----	29
96		B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCCC	.GTG-----	
97	RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG	CGTG-----	29
98		B	GGGTAGAAAC CATAAA ACAA CAGGCCGCGG CAGGGCG.CG	CGTG-----	
99	ORF 06	A	ACACGCAG TATAAA CGGG GGCCCGGGCG GCGCGTATCA	CATG-----	29
100		B	ATACACGTGG TATAAA CAGA GG.CCGGACG GCGCGGACCA	CATG-----	
101	trNA-tyr	A	GCGATAGTTA TTAAAA ACTA GGATGCCGAT CACGGATCGT	CCCA-----	29
102		B	GCGATAGTTA TTAAAA ACTA GGATGCCGGG CACCCGTCGT	CCCA-----	
103	TBP	A	CCGGGCCCCG GTTAAA ATAG CG.CACGGGC GGATCCTGAC	CAATG-----	30
104		B	CCGGGCCCCG GTTAAA ATAG AGTGGCGCG GGCACCGGAT	CAATG-----	
105	TIM	A	GCGTGGATAG AATAAA TACG CGCAGGGGGC CCCGTGGCGC	GATCGCCCGT G-----	36
106		B	GCGTGGATAG AATAAA TACG CGC.GGGGCC GCGGTGC...	GATCGCCCGT G-----	
107	Hypoth 01	A	ATTTCAACTA CATAAA TGCC TAGTTACGCA GAAATAGCAA	ACGACGTACT TCGACTAATG	45
108		B	ACTTCAACTA CATAAA TGCC TAGCTACGCA GAAATATCAA	ACAAAGTACT TCGACTAATG	
109	ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCTTGGCT TGTA ///.G	CGGGGTGCGG CAGGGGATG	52
110		B	ACGGCAGGCT ATTATT ACCT TGCCGTGTG. TACA ///.G	AGGGGGCCTG CCGGGAGTG	
111	Methylase	A	CTACAACGAT TTAAAG TCGG CGCCGGGGCA GCCG.///.G	ATGTGGGGCA GGCAACATG	104
112		B	CTACAAAGAT TTAAAG ACGG CGCGGGTGCC GCCG.///.T	GGCACGGGG CCTATCTTG	
113	16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT	CGTACGTGAC GC.///.AAT	220
114		B	CCGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT	CGTACGTGAC GC.///.AAT	
Archaeal promoter consensus			YTTAA		

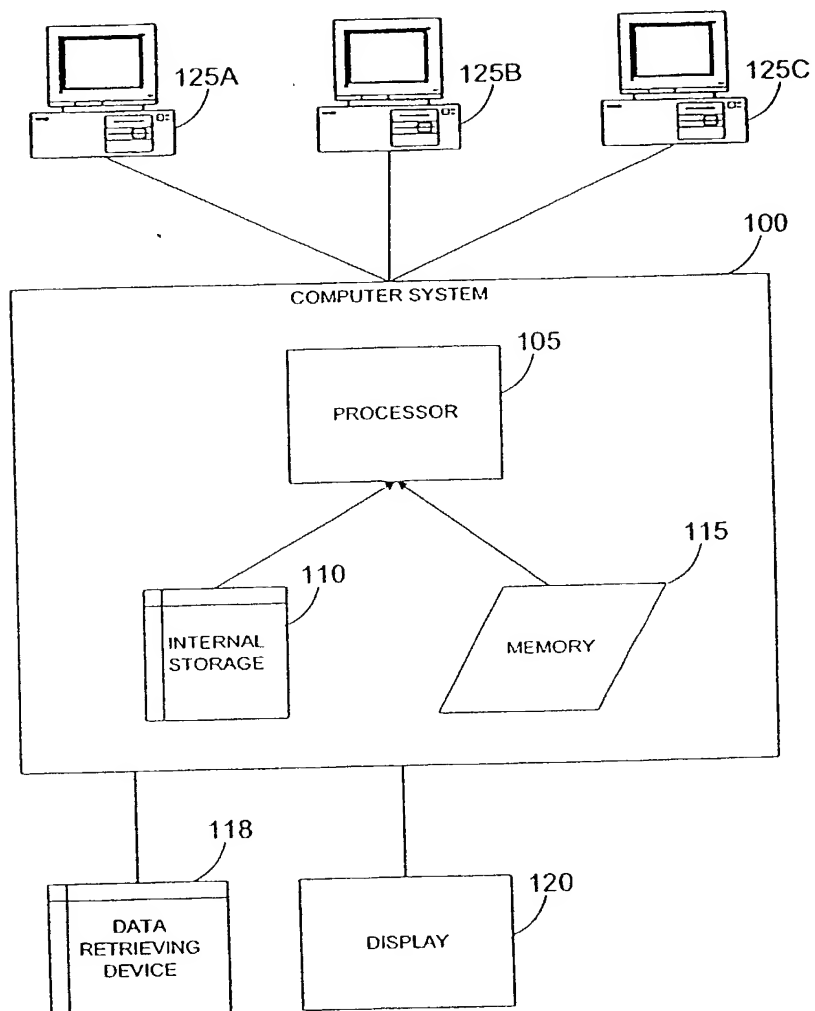
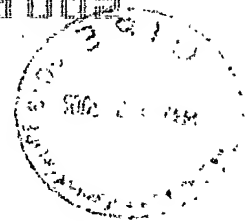


FIGURE 3

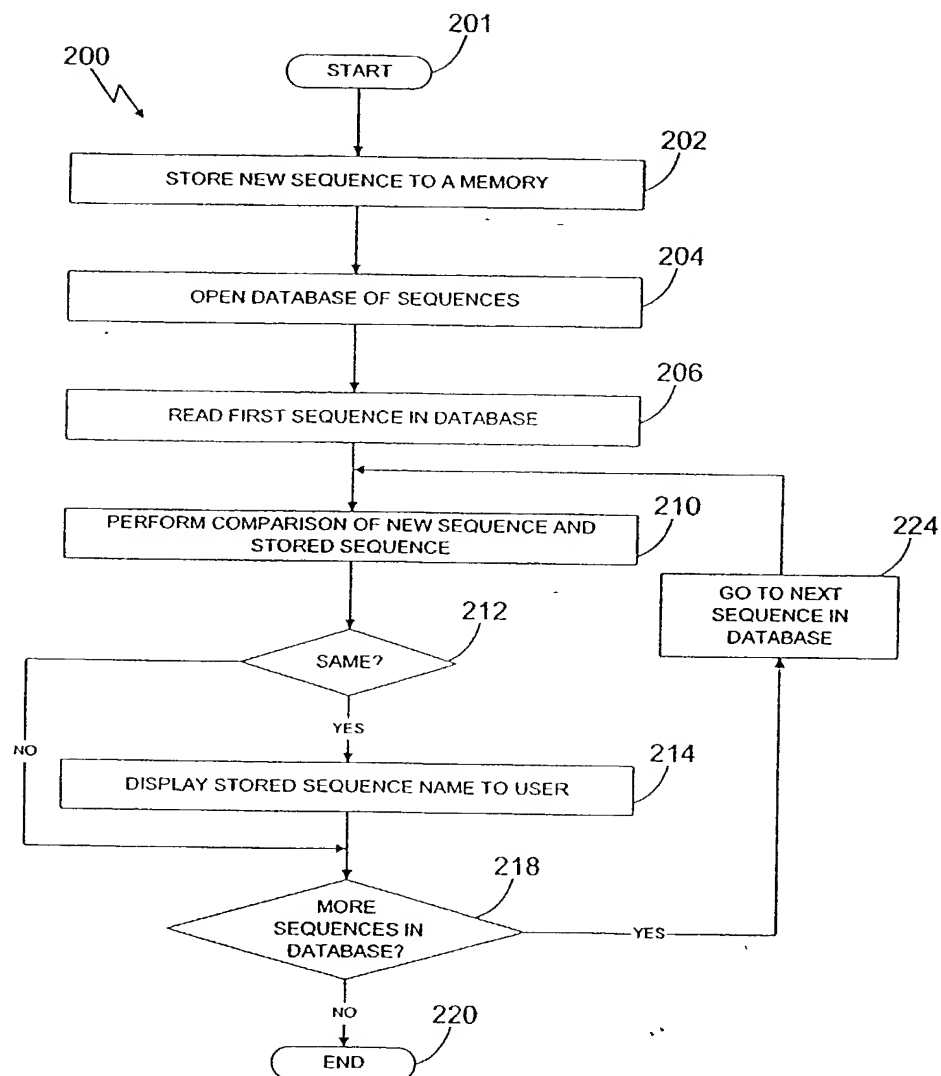
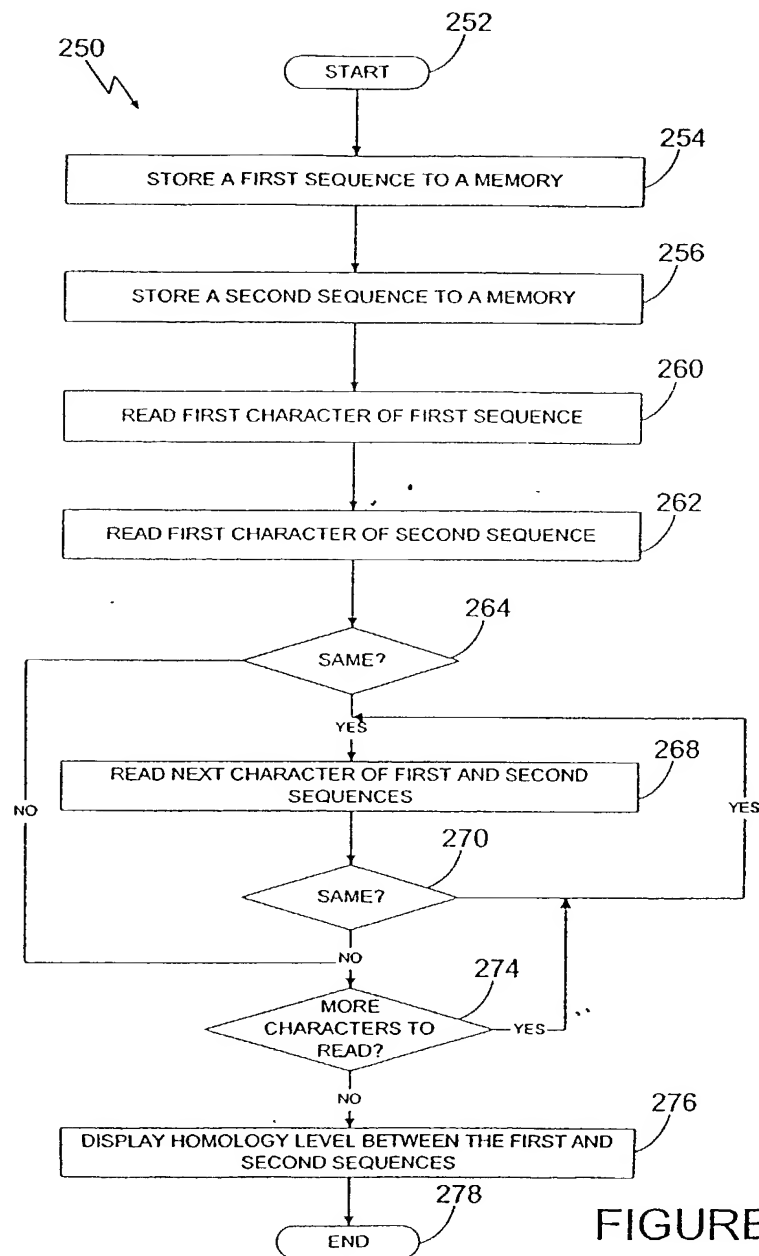


FIGURE 4



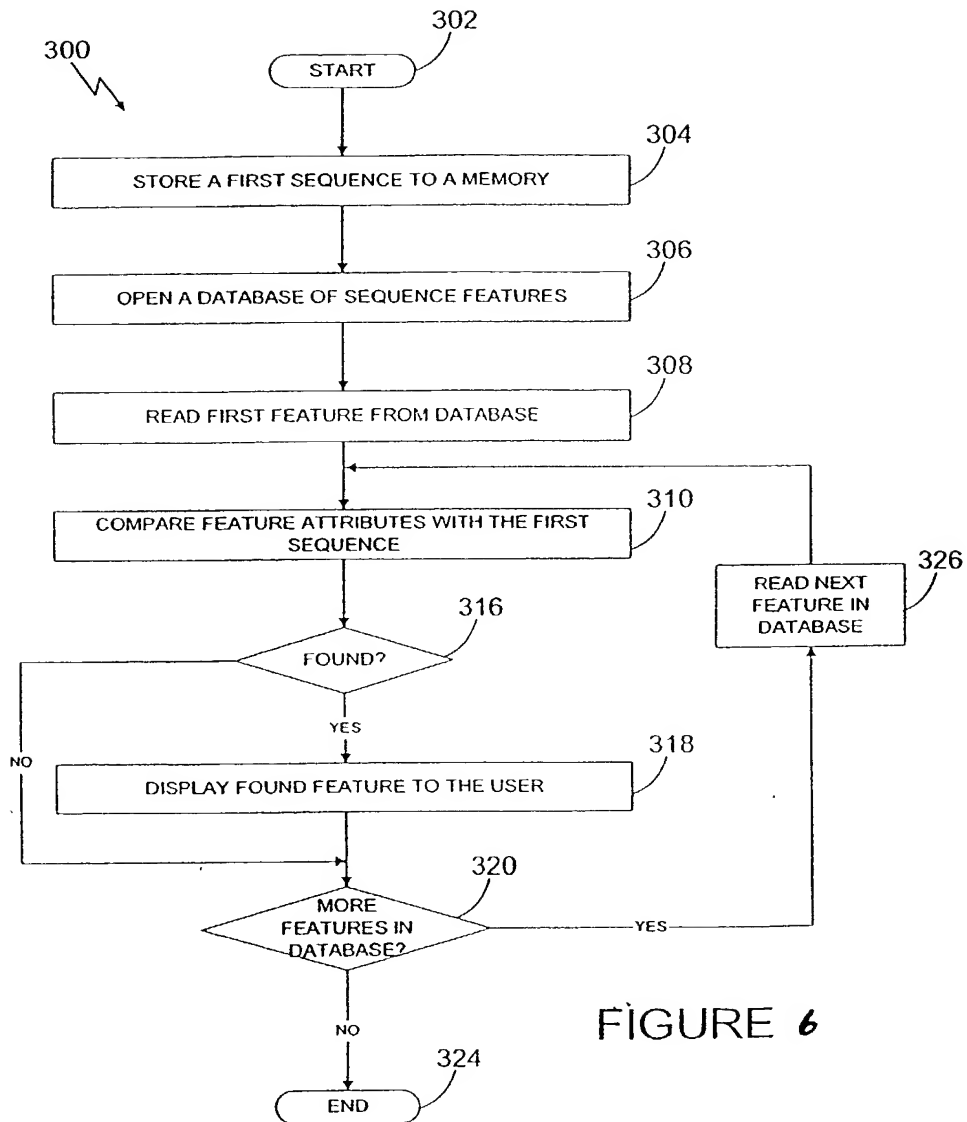


FIGURE 6